

ASSIGNMENT

This Assignment is effective as of November 4, 2003. For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, we, Nathaniel M. Sims, of Milton, Massachusetts; Nhedi Colquitt, of Aloha, Oregon; Michael Wollowitz, of Chatham, Massachusetts; Matt Hickcox, of Devens, Massachusetts; and Michael Dempsey, of Groton, Massachusetts; by virtue of assignment provisions in an employment contract preexisting the application filing date noted below, hereby confirm our assignment to THE GENERAL HOSPITAL CORPORATION, a corporation of Massachusetts, having a place of business at 55 Fruit Street, Boston, Massachusetts 02114; and its successors and assigns (collectively hereinafter called "the Assignee"), the entire right, title, and interest throughout the world in the inventions and improvements which are the subject of a utility application entitled LIFE SIGN DETECTION AND HEALTH STATE ASSESSMENT SYSTEM, filed on May 3, 2006, and assigned Serial Number 10/595,672, and the subject of PCT Application Serial No. PCT/US04/36587, filed on November 3, 2004, and U.S. Provisional Application Serial No. 60/517,149, filed on November 4, 2003 (to which the utility application claims priority); this assignment including said application, any and all United States and foreign patents, utility patents and models, continuations, continuations-in-part, divisionals, reexaminations, reissues, and design registrations granted for any of said inventions or improvements, and the right to claim priority based on the filing date of said applications under all treaties; and this assignment also including, without limitation, any claims (known or unknown, suspected or unsuspected) of any nature that we have or may have against any party for infringement of any of the patents and patent applications listed herein, and the right to sue for past infringement and to recover and retain damages and profits in respect thereof; and

we hereby confirm our prior authorization of the Assignee, as of November 4, 2003, to apply in all countries in our name or in its own name for patents, utility models, design registrations, and like rights of exclusion and for inventors' certificates for said inventions and improvements; and

we hereby covenant and agree that we will communicate to the Assignee or nominees all facts known to us pertaining to said inventions and improvements, and we agree for ourselves and our respective heirs, legal representatives, and assigns, without further compensation to perform such lawful acts and to sign such further applications, assignments, reissues, Preliminary Statements, and other lawful documents, testify in all legal proceedings, make all rightful oaths and declarations, and in general perform or cause to be performed all lawful acts necessary or proper to aid the Assignee or nominees in obtaining, maintaining, and enforcing all lawful patent protection for the inventions and improvements in the United States and in foreign countries; and

we hereby covenant that we have the full right to convey the entire right, title, and interest herein assigned and that we have not executed and will not execute any agreement in conflict herewith.

DATE: 4/25/11

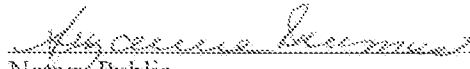

NATHANIEL M. SIMS

STATE OF Massachusetts)
) SS.

COUNTY OF Suffolk)

On 4/25/11, before me, the undersigned, a notary public for the State of Massachusetts, there personally appeared NATHANIEL M. SIMS personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to this Assignment, who acknowledged having executed the same in his authorized capacity and that by his signature on this Assignment, the person or the entity upon behalf of which he acted, executed this Assignment.

WITNESS my hand and official seal.


Notary Public
Comm. Expires May 9, 2014



SUZANNE THOMAS
Notary Public
Commonwealth of Massachusetts
My Commission Expires
May 9, 2014

DATE: _____

NHEDTI COLQUITT

STATE OF _____)

) SS.

COUNTY OF _____)

On _____, before me, the undersigned, a notary public for the State of _____, there personally appeared NHEDTI COLQUITT personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to this Assignment, who acknowledged having executed the same in his authorized capacity and that by his signature on this Assignment, the person or the entity upon behalf of which he acted, executed this Assignment.

WITNESS my hand and official seal.

Notary Public

DATE: _____

MICHAEL WOLLOWITZ

STATE OF _____)
) SS.
COUNTY OF _____)

On _____, before me, the undersigned, a notary public for the State of _____, there personally appeared MICHAEL WOLLOWITZ personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to this Assignment, who acknowledged having executed the same in his authorized capacity and that by his signature on this Assignment, the person or the entity upon behalf of which he acted, executed this Assignment.

WITNESS my hand and official seal.

Notary Public

DATE: _____

MATT HICKCOX

STATE OF _____)
) SS.

COUNTY OF _____)

On _____, before me, the undersigned, a notary public for the State of _____, there personally appeared MATT HICKCOX personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to this Assignment, who acknowledged having executed the same in his authorized capacity and that by his signature on this Assignment, the person or the entity upon behalf of which he acted, executed this Assignment.

WITNESS my hand and official seal.

Notary Public

DATE: _____

MICHAEL DEMPSEY

STATE OF _____)
) SS.

COUNTY OF _____)

On _____, before me, the undersigned, a notary public for the State of _____, there personally appeared MICHAEL DEMPSEY personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to this Assignment, who acknowledged having executed the same in his authorized capacity and that by his signature on this Assignment, the person or the entity upon behalf of which he acted, executed this Assignment.

WITNESS my hand and official seal.

Notary Public

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we hereby covenant and agree that we will communicate to the Assignee or nominees all facts known to us pertaining to said inventions and improvements, and we agree for ourselves and our respective heirs, legal representatives, and assigns, without further compensation to perform such lawful acts and to sign such further applications, assignments, reissues, Preliminary Statements, and other lawful documents, testify in all legal proceedings, make all rightful oaths and declarations, and in general perform or cause to be performed all lawful acts necessary or proper to aid the Assignee or nominees in obtaining, maintaining, and enforcing all lawful patent protection for the inventions and improvements in the United States and in foreign countries; and

we hereby covenant that we have the full right to convey the entire right, title, and interest herein assigned and that we have not executed and will not execute any agreement in conflict herewith.

DATE: _____

NATHANIEL M. SIMS

STATE OF _____)
) SS.
COUNTY OF _____)

On _____, before me, the undersigned, a notary public for the State of _____, there personally appeared NATHANIEL M. SIMS personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to this Assignment, who acknowledged having executed the same in his authorized capacity and that by his signature on this Assignment, the person or the entity upon behalf of which he acted, executed this Assignment.

WITNESS my hand and official seal.

Notary Public

DATE: Dec 4, 2010

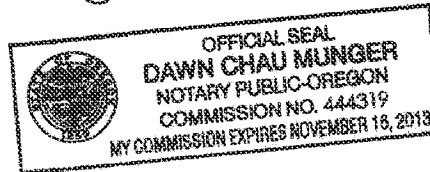
Nhetti Colquitt
NHETTI COLQUITT

STATE OF Oregon
COUNTY OF Washington SS.

On Dec. 4, 2010, before me, the undersigned, a notary public for the State of Oregon, there personally appeared NHETTI COLQUITT personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to this Assignment, who acknowledged having executed the same in his authorized capacity and that by his signature on this Assignment, the person or the entity upon behalf of which he acted, executed this Assignment.

WITNESS my hand and official seal.

[Signature]
Notary Public



DATE: _____

MICHAEL WOLLOWITZ

STATE OF _____)

) SS.

COUNTY OF _____)

On _____, before me, the undersigned, a notary public for the State of _____, there personally appeared MICHAEL WOLLOWITZ personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to this Assignment, who acknowledged having executed the same in his authorized capacity and that by his signature on this Assignment, the person or the entity upon behalf of which he acted, executed this Assignment.

WITNESS my hand and official seal.

Notary Public

DATE: _____

MATT HICKCOX

STATE OF _____)
) SS.

COUNTY OF _____)

On _____, before me, the undersigned, a notary public for the State of _____, there personally appeared MATT HICKCOX personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to this Assignment, who acknowledged having executed the same in his authorized capacity and that by his signature on this Assignment, the person or the entity upon behalf of which he acted, executed this Assignment.

WITNESS my hand and official seal.

Notary Public

DATE: _____

MICHAEL DEMPSEY

STATE OF _____)
) SS.

COUNTY OF _____)

On _____, before me, the undersigned, a notary public for the State of _____, there personally appeared MICHAEL DEMPSEY personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to this Assignment, who acknowledged having executed the same in his authorized capacity and that by his signature on this Assignment, the person or the entity upon behalf of which he acted, executed this Assignment.

WITNESS my hand and official seal.

Notary Public

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we hereby covenant and agree that we will communicate to the Assignee or nominees all facts known to us pertaining to said inventions and improvements, and we agree for ourselves and our respective heirs, legal representatives, and assigns, without further compensation to perform such lawful acts and to sign such further applications, assignments, reissues, Preliminary Statements, and other lawful documents, testify in all legal proceedings, make all rightful oaths and declarations, and in general perform or cause to be performed all lawful acts necessary or proper to aid the Assignee or nominees in obtaining, maintaining, and enforcing all lawful patent protection for the inventions and improvements in the United States and in foreign countries; and

we hereby covenant that we have the full right to convey the entire right, title, and interest herein assigned and that we have not executed and will not execute any agreement in conflict herewith.

DATE: _____

NATHANIEL M. SIMS

STATE OF _____)
) SS.
COUNTY OF _____)

On _____, before me, the undersigned, a notary public for the State of _____, there personally appeared NATHANIEL M. SIMS personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to this Assignment, who acknowledged having executed the same in his authorized capacity and that by his signature on this Assignment, the person or the entity upon behalf of which he acted, executed this Assignment.

WITNESS my hand and official seal.

Notary Public

DATE: _____

NHEDTI COLQUITT

STATE OF _____)

) SS.

COUNTY OF _____)

On _____, before me, the undersigned, a notary public for the State of _____, there personally appeared NHEDTI COLQUITT personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to this Assignment, who acknowledged having executed the same in his authorized capacity and that by his signature on this Assignment, the person or the entity upon behalf of which he acted, executed this Assignment.

WITNESS my hand and official seal.

Notary Public

DATE: Oct. 28, 2010

Michael Wollowitz
MICHAEL WOLLOWITZ

STATE OF New York)
COUNTY OF Columbia) SS.

On Oct 28, 2010, before me, the undersigned, a notary public for the State of New York, there personally appeared MICHAEL WOLLOWITZ personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to this Assignment, who acknowledged having executed the same in his authorized capacity and that by his signature on this Assignment, the person or the entity upon behalf of which he acted, executed this Assignment.

WITNESS my hand and official seal.

Donna M Casey
Notary Public

DONNA M. CASEY
Notary Public, State of New York
Qualified in Columbia County
Reg No. 4976225
Commission Expires Jan. 14, 20 11

DATE: _____

MATT HICKCOX

STATE OF _____)

) SS.

COUNTY OF _____)

On _____, before me, the undersigned, a notary public for the State of _____, there personally appeared MATT HICKCOX personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to this Assignment, who acknowledged having executed the same in his authorized capacity and that by his signature on this Assignment, the person or the entity upon behalf of which he acted, executed this Assignment.

WITNESS my hand and official seal.

Notary Public

DATE: _____

MICHAEL DEMPSEY

STATE OF _____)
) SS.
COUNTY OF _____)

On _____, before me, the undersigned, a notary public for the State of _____, there personally appeared MICHAEL DEMPSEY personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to this Assignment, who acknowledged having executed the same in his authorized capacity and that by his signature on this Assignment, the person or the entity upon behalf of which he acted, executed this Assignment.

WITNESS my hand and official seal.

Notary Public

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we hereby covenant that we have the full right to convey the entire right, title, and interest herein assigned and that we have not executed and will not execute any agreement in conflict herewith.

DATE: _____

NATHANIEL M. SIMS

STATE OF _____)
COUNTY OF _____) SS.

On _____, before me, the undersigned, a notary public for the State of _____, there personally appeared NATHANIEL M. SIMS personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to this Assignment, who acknowledged having executed the same in his authorized capacity and that by his signature on this Assignment, the person or the entity upon behalf of which he acted, executed this Assignment.

WITNESS my hand and official seal.

Notary Public

DATE: _____

NHEDTI COLQUITT

STATE OF _____)
_____) SS.
COUNTY OF _____)

On _____, before me, the undersigned, a notary public for the State of _____, there personally appeared NHEDTI COLQUITT personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to this Assignment, who acknowledged having executed the same in his authorized capacity and that by his signature on this Assignment, the person or the entity upon behalf of which he acted, executed this Assignment.

WITNESS my hand and official seal.

Notary Public

DATE: _____

MICHAEL WOLLOWITZ

STATE OF _____)
) SS.
COUNTY OF _____)

On _____, before me, the undersigned, a notary public for the State of _____, there personally appeared MICHAEL WOLLOWITZ personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to this Assignment, who acknowledged having executed the same in his authorized capacity and that by his signature on this Assignment, the person or the entity upon behalf of which he acted, executed this Assignment.

WITNESS my hand and official seal.

Notary Public

DATE: 11/1/2010

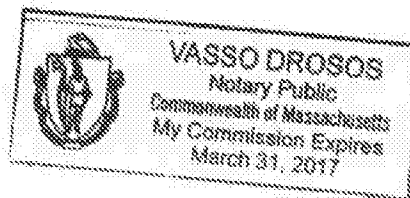
MATT HICKCOX

STATE OF Mass
COUNTY OF Middlesex } SS.

On Nov 1 2010, before me, the undersigned, a notary public for the State of Mass, there personally appeared MATT HICKCOX personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to this Assignment, who acknowledged having executed the same in his authorized capacity and that by his signature on this Assignment, the person or the entity upon behalf of which he acted, executed this Assignment.

WITNESS my hand and official seal.

Vasso Drosos
Notary Public



DATE: _____

MICHAEL DEMPSEY

STATE OF _____)
) SS.
COUNTY OF _____)

On _____, before me, the undersigned, a notary public for the State of _____, there personally appeared MICHAEL DEMPSEY personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to this Assignment, who acknowledged having executed the same in his authorized capacity and that by his signature on this Assignment, the person or the entity upon behalf of which he acted, executed this Assignment.

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Notary Public

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DATE: _____

NATHANIEL M. SIMS

STATE OF _____)
) SS.
COUNTY OF _____)

On _____, before me, the undersigned, a notary public for the State of _____, there personally appeared NATHANIEL M. SIMS personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to this Assignment, who acknowledged having executed the same in his authorized capacity and that by his signature on this Assignment, the person or the entity upon behalf of which he acted, executed this Assignment.

WITNESS my hand and official seal.

Notary Public

DATE: _____

NHEDTI COLQUITT

STATE OF _____)

) SS.

COUNTY OF _____)

On _____, before me, the undersigned, a notary public for the State of _____, there personally appeared NHEDTI COLQUITT personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to this Assignment, who acknowledged having executed the same in his authorized capacity and that by his signature on this Assignment, the person or the entity upon behalf of which he acted, executed this Assignment.

WITNESS my hand and official seal.

Notary Public

DATE: _____

MICHAEL WOLLOWITZ

STATE OF _____)
) SS.
COUNTY OF _____)

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WITNESS my hand and official seal.

Notary Public

DATE: _____

MATT HICKCOX

STATE OF _____)

) SS.

COUNTY OF _____)

On _____, before me, the undersigned, a notary public for the State of _____, there personally appeared MATT HICKCOX personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to this Assignment, who acknowledged having executed the same in his authorized capacity and that by his signature on this Assignment, the person or the entity upon behalf of which he acted, executed this Assignment.

WITNESS my hand and official seal.

Notary Public

DATE: MAY 1, 2011

Michael K. Dempsey
MICHAEL DEMPSEY

STATE OF Massachusetts)
COUNTY OF Suffolk) SS.

On May 1, 2011, before me, the undersigned, a notary public for the State of Massachusetts, there personally appeared MICHAEL DEMPSEY personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to this Assignment, who acknowledged having executed the same in his authorized capacity and that by his signature on this Assignment, the person or the entity upon behalf of which he acted, executed this Assignment.

WITNESS my hand and official seal.

Joan M. Doreanno
Notary Public

ASSIGNMENT OF INVENTION

Title of Invention: LIFE SIGN DETECTION AND HEALTH STATE ASSESSMENT SYSTEM

Inventors: NATHANIEL M. SIMS, NHIEDI COLQUITT, MICHAEL WOLLOWITZ, MATT HICKCOX, MICHAEL DEMPSEY, REED W. HOYT, MARK J. BULLER and JOHN S. AMES.

Dates Declaration of Inventorship Executed:

Application Serial No.: 10/595,672

We, the undersigned inventors, in consideration of the rights of the Government of the United States acquired by virtue of the circumstances under which the above-entitled invention was made, hereby:

1. Assign to the Government of the United States, as represented by the Secretary of the Army, the entire right, title, and interest throughout the United States, its Territories, Possessions, and Puerto Rico, in and to the above-entitled invention and application for patent all Letters Patent issuing thereon, and any continuation, continuation-in-part, or division of said application and any reissue of extension of said Letters Patent.
2. Assign to the Government all right, title, and interest in the invention in those foreign countries in which the Government determines to cause an application to be filed, including but not limited to Australia, Canada, Mexico, Japan and the countries of the European Union.
3. Agree to provide any further information within our knowledge and to execute any further documents necessary to the prosecution of patent applications on the invention, the prosecution of interference's, and recording of title of patent applications and patents issuing thereon.

Inventor's Signature: _____

Date: OCT 21, 2010 Typed Name of Inventor: _____

STATE OF Massachusetts

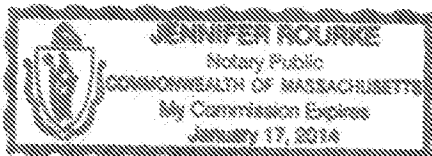
COUNTY OF Middlesex

On the above date known to me to be the individual described in and who executed the foregoing instrument duly appeared before me and acknowledged to me that the same as his own free act and deed.

(SEAL)

Jennifer Rourke
NOTARY PUBLIC

My Commission expires on 1/17/2014



ASSIGNMENT OF INVENTION

Title of Invention: LIFE SIGN DETECTION AND HEALTH STATE ASSESSMENT SYSTEM

Inventors: NATHANIEL M. SIMS, NHEDTI COLQUITT, MICHAEL WOLLOWITZ, MATT HICKCOX, MICHAEL DEMPSEY, REED J. HOYT, MARK J. BULLER and JOHN S. AMES.

Dates Declaration of Inventorship Executed:

Application Serial Nos.: 10/595,672

We, the undersigned inventors, in consideration of the rights of the Government of the United States acquired by virtue of the circumstances under which the above-entitled invention was made, hereby:

1. Assign to the Government of the United States, as represented by the Secretary of the Army, the entire right, title, and interest throughout the United States, its Territories, Possessions, and Puerto Rico, in and to the above-entitled invention and application for patent all Letters Patent issuing thereon, and any continuation, continuation-in-part, or division of said application and any reissue or extension of said Letters Patent.
2. Assign to the Government all right, title, and interest in the invention in those foreign countries in which the Government determines to cause an application to be filed, including but not limited to Australia, Canada, Mexico, Japan and the countries of the European Union.
3. Agree to provide any further information within our knowledge and to execute any further documents necessary to the prosecution of patent applications on the invention, the prosecution of interference's, and recording of title of patent applications and patents issuing thereon.

Inventor's Signature: _____

Date: 1/1/2010

Typed Name of Inventor: MARK J. BULLER

STATE OF MA

COUNTY OF MIDDLESEX

On the above date known to me to be the individual described in and who executed the foregoing instrument duly appeared before me and acknowledged to me that the same as his own free act and deed.

(SEAL)

NOTARY PUBLIC



ALIX BELANDRIA

Notary Public

Commonwealth of Massachusetts

My Commission expires on _____

My Commission Expires on 03, 2015

ASSIGNMENT OF INVENTION

Title of Invention: LIFE SIGN DETECTION AND HEALTH STATE ASSESSMENT SYSTEM

Inventors: NATHANIEL M. SIMS, NHEDTI COLQUITT, MICHAEL WOLLOWITZ, MATT HICKCOX, MICHAEL DEMPSEY, REED J. HOYT, MARK J. BULLER and JOHN S. AMES.

Dates Declaration of Inventorship Executed:

Application Serial Nos.: 10/595,672

We, the undersigned inventors, in consideration of the rights of the Government of the United States acquired by virtue of the circumstances under which the above-entitled invention was made, hereby:

1. Assign to the Government of the United States, as represented by the Secretary of the Army, the entire right, title, and interest throughout the United States, its Territories, Possessions, and Puerto Rico, in and to the above-entitled invention and application for patent all Letters Patent issuing thereon, and any continuation, continuation-in-part, or division of said application and any reissue of extension of said Letters Patent.
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3. Agree to provide any further information within our knowledge and to execute any further documents necessary to the prosecution of patent applications on the invention, the prosecution of interference's, and recording of title of patent applications and patents issuing thereon.

Inventor's Signature: _____

Date: 1.4.11 _____ Typed Name of Inventor: _____

STATE OF Massachusetts _____

COUNTY OF Middlesex _____

On the above date known to me to be the individual described in and who executed the foregoing instrument duly appeared before me and acknowledged to me that the same as his own free act and deed.

(SEAL)

Sandra J. McQuiggan
NOTARY PUBLIC

My Commission expires on _____

